Safety Group

Technical Data Sheet

Code:EV-SVG

Function

This hydraulic safety group are used in domestic water systems to protect hot water storage heaters.
It combines different components with the following functions:
- safety, to prevent the pressure of the medium in the storage heaters from reaching dangerous levels
- anti-pollution, to prevent backflow of hot water into the cold water supply network
- Preventing excessive pressure, to reduce and stabilise inlet pressure from mains water supplies

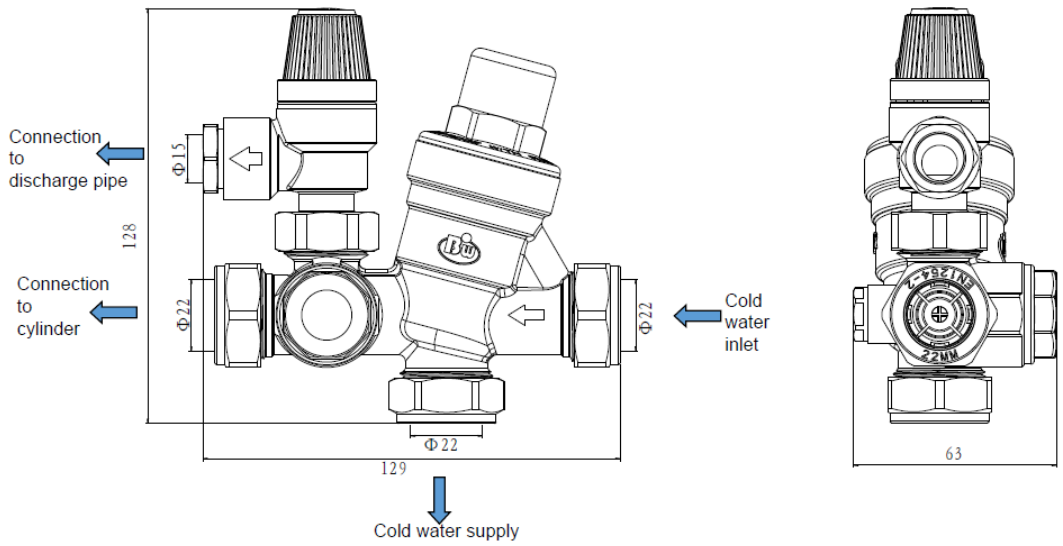
Material

Body	BRASS - DZR
Hydraulic seals	EPDM
Spring	Stainless steel
Safety valve diaphragm	Silicone
PRV diaphragm	EPDM
PRV cartridge	POM
Check valve	POM
Plastic plug	PA

Specifications

Medium	water
Max. working temperature	120°C
Max. working pressure	10 bar
Safety relief valve opening pressure	6 bar
PRV outlet adjustment range	1-6 bar
PRV factory setting	3 bar
Connections	inlet and outlets 22mm; discharge 15mm or 1/2" F

Dimensions and Application diagram



Installation

Carefully follow these instructions and ensure that the installation conforms to the Water Regulations.
Ensure that sufficient water pressure and flow rate are available.
Open fully all taps before installing the unit to flush the system and expel any air remaining in the pipes.
It is recommended that isolating valves are installed upstream and downstream to facilitate any future maintenance.
Install the unit with the embossed arrow on the manifold pointing in the direction of flow.
The black plug is a connection for a pressure gauge, which is available when specified.
Unscrewing the union nut and rotate the pressure relief valve to the required position

Ensure that the pressure relief valve discharge pipework has a continuous fall and terminates in such a position as not to cause injury

Calibration

Close the downstream isolating valve.
Using an Allen key adjust the outlet pressure by turning the calibration screw in the centre of the plastic cover.
Rotate it clockwise to increase the outlet pressure and anticlockwise to reduce it.

Notes